

APPENDIX

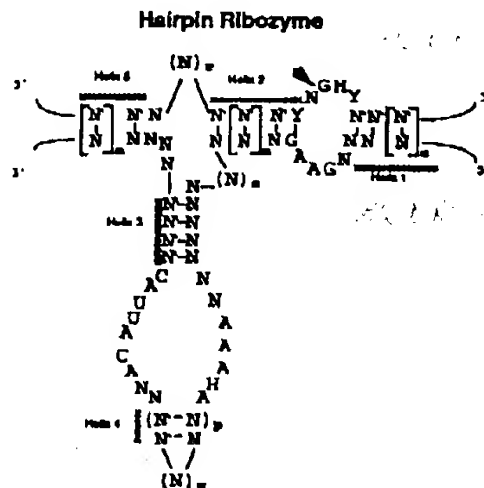
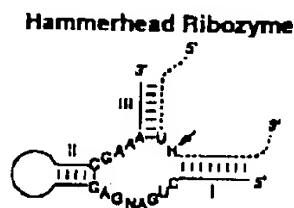
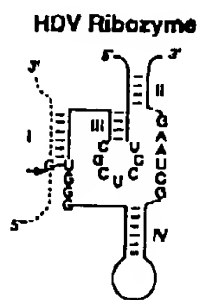
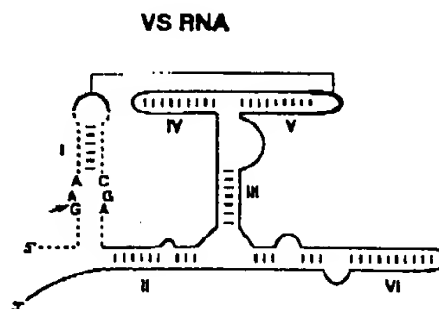
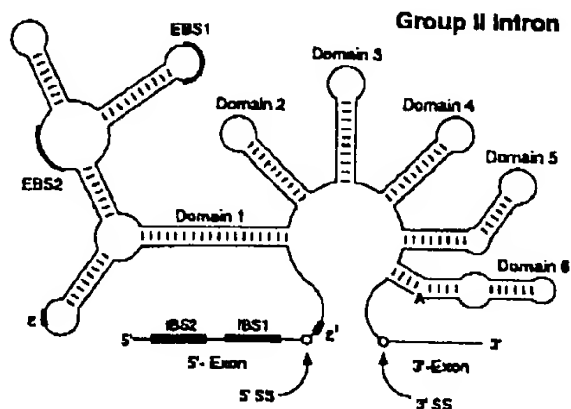
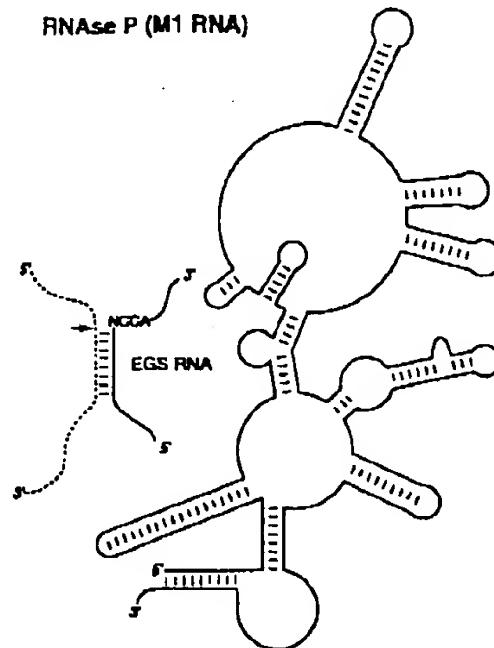
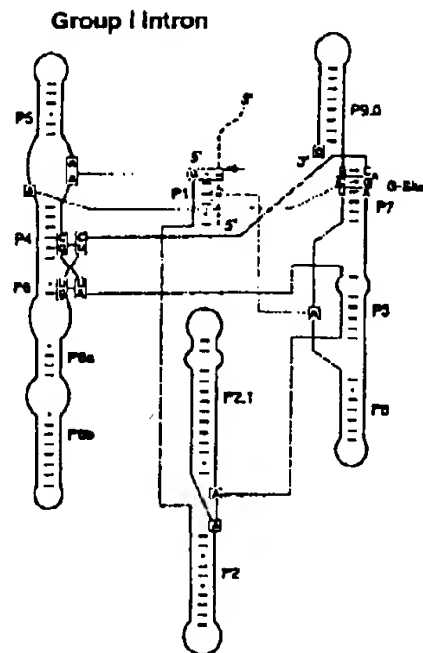
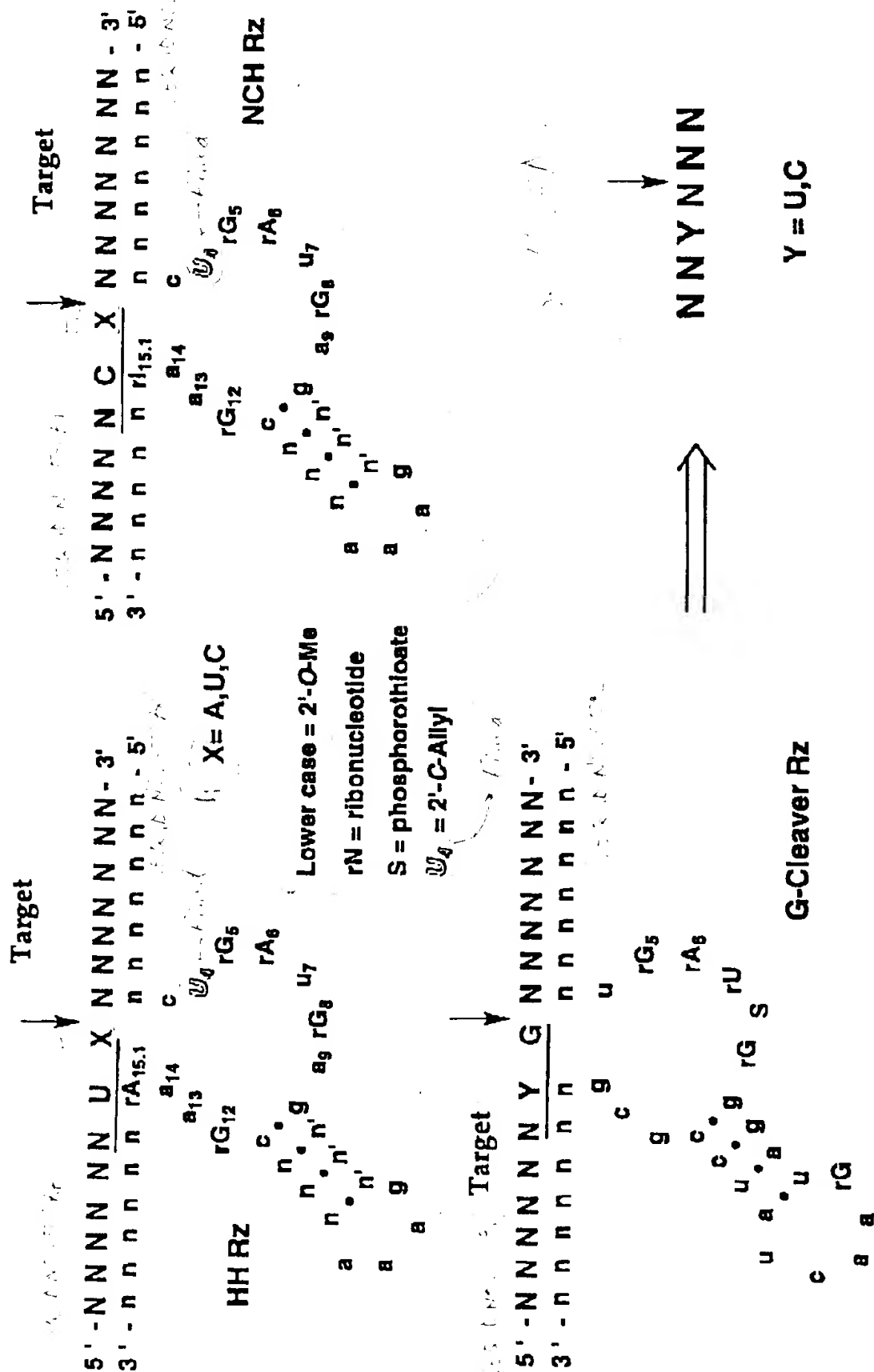


Figure 2: Examples of Nuclease Stable Ribozyme Motifs



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**Figure 3. 2'-O-Me substituted Amberzyme
Enzymatic Nucleic Acid Motif**

UC = 2'-NH₂-U,C

Lower case = 2'-O-Me

Uppercase = Ribo

Ribozyme

Fixed intermediate

Fixed intermediate

48

Cleavage site

Substrate

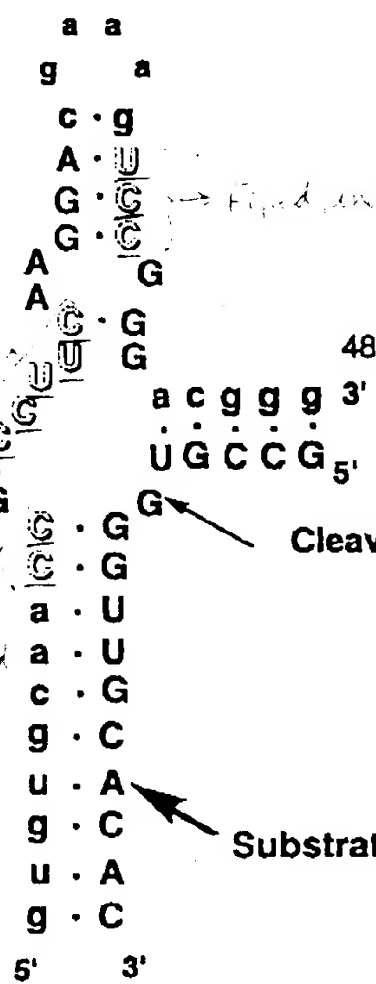
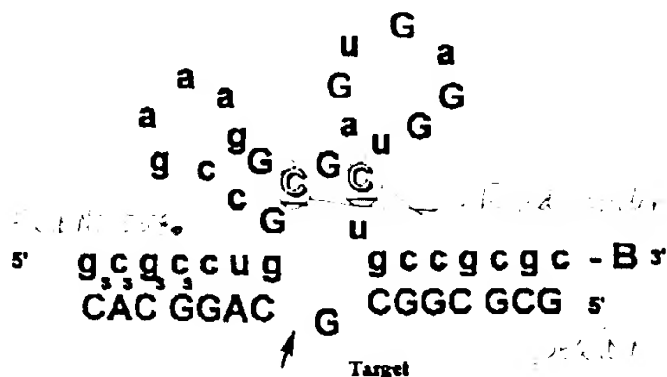


Figure 4: Zinzyme Motif

Zinzyme A-motif RZ



Legend

Uppercase Indicates natural ribo residues

© Indicates 2' - d-NH₂-C

Lowercase: 2'-O- Me

Subscript ₃ Indicates phosphothioate linkage

B: 3'-3' abasic moiety

The GAAA tetraloop can be replaced by 18 atom polyethylene glycol (Spacer)
All ribo G's can be replaced with 2'-O-methyl G